

Interview Agenda for Examiner Lori A. Clow

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RE: Dougherty, Kim, Bittner, Chen and Sivakumar, "QUANTIFYING GENE RELATEDNESS VIA NONLINEAR PREDICTION OF GENE EXPRESSION LEVELS," Patent Application No. 09/595,580 (USA), filed June 15, 2000
Klarquist Ref. No. 4239-54279

Claim 1:

"presenting a plurality of the quantifications of gene relatedness showing relative relatedness for a plurality of the permutations of the genes."

e.g., FIG. 11

Stoughton, column 6, lines 8-12:

The cellular constituents present in a network model and measured in a biological system can be of any type. For example, the can be, inter alia, abundances of mRNA species (representing gene expression), or abundances of protein species, or activities of protein species.

Stoughton, column 10, lines 45-52:

If the new P-value is better than the initial P-value, the refined hypothesis can be used as the base for further refinements in a search for models with even better P-values. The goal of such refinement is convergence of the network models towards one with a P-value below some threshold of significance or towards one that is a useful representation of aspects of the biological system, or the biological subsystem, under study.

Chapman, column 2, lines 52-55 and 60-63:

a method for predicting activity of molecules with respect to a chemical function based on known activities of a plurality of molecules.

A model is then constructed with model parameters for predicting activity of poses with respect to said chemical function and model parameter values are then set.

Barnhill, column 26, lines 9-12:

1. If the total number of diagnostic groups equals 2, go to next step. Otherwise, based on known facts about the disease process, organize the separation of groups into a binary classification tree.

Claim 29:

"ranking . . . by coefficient of determination . . . to present the genes . . . in order of likelihood of relatedness . . ."

Claim 36:

"presenting a quantification of relatedness between the predicted gene and a set of genes associated with the predictive elements of at least one of the models."

Claim 61:

"displaying a ranked list of gene relatedness among the genes as determined by testing the plurality of multivariate nonlinear predictors."

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KLARQUIST SPARKMAN, LLP

16th Floor World Trade Center, 121 S.W. Salmon Street, Portland, Oregon 97204 U.S.A.

PHONE: 503-226-7391 FAX: 503-228-9446

PLEASE HAND DELIVER DIRECTLY TO EXAMINER LORI A. CLOW

Fax No.: 703-746-7436

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In re application of: Dougherty et al.

Application No.: 09/595,580

Filed: June 15, 2000

For: QUANTIFYING GENE RELATEDNESS VIA
NONLINEAR PREDICTION OF GENE EXPRESSION
LEVELS

Examiner: Lori A. Clow


Art Unit: 1631

Date: July 2, 2002

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INFORMAL COMMUNICATION**

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Please see the accompanying Interview Agenda.


Gregory L. Maurer
Registration No. 43,781

July 2, 2002
Date

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